

M.Sc. Economics

Code:		Type:	M.Sc. 4 th semester lecture series
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Title:	Topics in Game Theory (Elective course)		
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Lecturer:	Jörgen Weibull		
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ECTS:	3	Contact hours (per semester):	12
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Semester:	Summer 2010	Frequency of the lecture:	12 á 90 min.
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Dates:	June 8 th , 2010 until June 18 th , 2010		
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Prerequisites:	Basic knowledge of microeconomics and game theory		
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Learning objectives (What are the intended learning outcomes? Which skills will be acquired?):
Enhance the understanding of non-cooperative and evolutionary game theory; its concepts, tools and interpretations.

Content (Which professional competence and which contents will be imparted?):
<ol style="list-style-type: none"> 1. Rationalistic and evolutionary interpretations of games 2. Non-cooperative solution concepts 3. Evolutionary stability 4. The replicator dynamic 5. Deterministic and stochastic population dynamics 6. Social preferences, bounded rationality, and evolution

Teaching approach (Description of the learning and teaching methods):
Lectures, homework assignments and short essay.

Workload (Definition of workload (ECTS), divided in pre-modules (e.g. pre-readings), core-modules (contact hours), post-modules (e.g. case studies)):
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M.Sc. Economics

Language of instruction (Information on the language of teaching):

English

Obligatory literature (E.g. scripts, books, articles, cases, papers):
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<p>Weibull J. (1995): Evolutionary Game Theory, MIT Press. Young P. (1998): Individual Strategy and Social Structure, Princeton University Press.</p>
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Additional literature (E.g. books, articles, cases, papers):

Journal articles and lecture notes. To be made available during the course.

Mode of examination (Mode of the examinations and tests (e.g. oral or written examination, lecture, homework, papers, class participation):
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Homework assignments during the whole course. A short essay on an individually selected topic, written in class during the second week. A final written exam after the course.
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Grading (a maximum of 20% outside the class room):

<p>Homework assignments: 20% Essay: 30% (3 hours in class) Written exam: 50%</p>
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Special features (E.g. excursion, guest speaker):
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Contact information:	Office hours:
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Course website:

https://cecnet.tuwien.ac.at/
